

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (Currently amended) A gray level conversion method, applied to a device comprising:

a conversion section for obtaining a conversion signal by applying a conversion process to an input signal in accordance with a first characteristic; and

a display element for executing a display with a gray level in accordance with a second characteristic with respect to said value of said conversion signal,

wherein said first characteristic is set by using said second characteristic and a third characteristic with respect to said gray level in association with said input signal, wherein said third characteristic is variable, said method comprising the steps of:

(a) finding said value of said gray level given by said third characteristic in response to said value of the input signal;

(b) finding said second characteristic by adopting, as said first characteristic, a characteristic that makes said input signal and said conversion signal virtually equal to each other;

(b)(c) finding said value of said conversion signal that gives said value of said gray level found at said step (a) in accordance with said second characteristic;

~~(e)~~ (d) setting said first characteristic by making said value of said input signal set at said step (a) and said value of the conversion signal found at said step (b) associated with each other.

2-3. (Canceled)

4. (Currently Amended) The gray level conversion method according to ~~claim 3~~ claim 1, wherein said value of said input signal is a digital value in said step (d).

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5. (Original) The gray level conversion method according to claim 1, wherein said display device is a liquid crystal display.

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6. (Original) The gray level conversion method according to claim 5, wherein said gray level is luminance.

7. (Currently amended) A display device comprising:
a conversion section for obtaining a conversion signal by applying a conversion process to ~~an input a~~ supplied signal in accordance with a first characteristic, said supplied signal being one of an input signal and a digital signal; and

a display element for executing a display with a gray level in accordance with a second characteristic with respect to said value of the conversion signal; and

a control section for generating said digital signal, said digital signal and said input signal being

supplied to said conversion section exclusively from one
another,

wherein said first characteristic is externally found and set in said conversion section based upon said second characteristic and a third characteristic with respect to said gray level in association with said input signal, wherein said third characteristic is variable.

8-9. (Canceled)

10. (Original) The display device according to claim 7, wherein said display device is a liquid crystal display.

11. (Original) The display device according to claim 10, wherein said gray level is luminance.